

CRF E

Corrected by the STIC System Branch

CRF Processing Date: 9/6/02

Edited by: DC

Verified by: (STIC staff)

Serial Number: 091726649

- ☐ Changed a file from non-ASCII to ASCII
- ☐ Changed the margins in cases where the sequence text was "wrapped" down to the next line.
- ☐ Edited a format error in the Current Application Data section, specifically: **ENTERED**
- ☐ Edited the Current Application Data section with the actual current number. The number inputted by the applicant was ☐ the prior application data; or ☐ other _____
- ☐ Added the mandatory heading and subheadings for "Current Application Data".
- ☐ Edited the "Number of Sequences" field. The applicant spelled out a number instead of using an integer.
- ☐ Changed the spelling of a mandatory field (the headings or subheadings), specifically: _____
- ☐ Corrected the SEQ ID NO when obviously incorrect. The sequence numbers that were edited were: _____
- ☐ Inserted or corrected a nucleic number at the end of a nucleic line. SEQ ID NO's edited: _____
- ☐ Corrected subheading placement. All responses must be on the same line as each subheading. If the applicant placed a response below the subheading, this was moved to its appropriate place.
- ☐ Inserted colons after headings/subheadings. Headings edited included: _____
- ☐ Deleted extra, invalid, headings used by an applicant, specifically: _____
- ☒ Deleted: ☒ non-ASCII "garbage" at the beginning/end of files; ☐ secretary initials/filename at end of file; ☐ page numbers throughout text; ☐ other invalid text, such as _____
- ☐ Inserted mandatory headings, specifically: _____
- ☐ Corrected an obvious error in the response, specifically: _____
- ☐ Edited identifiers where upper case is used but lower case is required, or vice versa.
- ☐ Corrected an error in the Number of Sequences field, specifically: _____
- ☐ A "Hard Page Break" code was inserted by the applicant. All occurrences had to be deleted.
- ☐ Deleted **ending** stop codon in amino acid sequences and adjusted the "(A)Length:" field accordingly (error due to a PatentIn bug). Sequences corrected: _____
- ☐ Other: _____

*Examiner: The above corrections must be communicated to the applicant in the first Office Action. DO NOT send a copy of this form.

3/1/95



OIPF

RAW SEQUENCE LISTING

PATENT APPLICATION: US/09/726,649

DATE: 09/06/2002 P46

TIME: 11:06:36

Input Set : A:\PTO.DC.txt

Output Set: N:\CRF4\09062002\I726649.raw

3 <110> APPLICANT: Lerner, Richard A
 4 Sorge, Joseph A
 5 Winter, Gregory P
 6 Riechman, Lutz
 8 <120> TITLE OF INVENTION: A new method for tapping the immunological repertoire
 10 <130> FILE REFERENCE: 213839-00023
 12 <140> CURRENT APPLICATION NUMBER: 09/726,649
 C--> 13 <141> CURRENT FILING DATE: 2002-08-23
 15 <160> NUMBER OF SEQ ID NOS: 121
 17 <170> SOFTWARE: PatentIn version 3.1
 19 <210> SEQ ID NO: 1
 20 <211> LENGTH: 123
 21 <212> TYPE: PRT
 22 <213> ORGANISM: Mus musculus
 24 <220> FEATURE:
 25 <221> NAME/KEY: VARIANT
 26 <222> LOCATION: (1)..(123)
 27 <223> OTHER INFORMATION: HPCM2-hybridoma
 30 <400> SEQUENCE: 1
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 33 1 5 10 15
 36 Ser Leu Arg Leu Ser Cys Ala Thr Ser Gly Phe Thr Phe Ser Asp Phe
 37 20 25 30
 40 Tyr Met Glu Trp Val Arg Gln Pro Pro Gly Lys Arg Leu Glu Trp Ile
 41 35 40 45
 44 Ala Ala Ser Arg Asn Lys Ala Asn Asp Tyr Thr Thr Glu Tyr Ser Ala
 45 50 55 60
 48 Ser Val Lys Gly Arg Phe Ile Val Ser Arg Asp Thr Ser Gln Ser Ile
 49 65 70 75 80
 52 Leu Tyr Leu Gln Met Asn Ala Leu Arg Ala Glu Asp Thr Ala Ile Tyr
 53 85 90 95
 56 Tyr Cys Ala Arg Asp Tyr Tyr Gly Ser Ser Tyr Trp Tyr Phe Asp Val
 57 100 105 110
 60 Trp Gly Ala Gly Thr Thr Val Thr Val Ser Ser
 61 115 120
 64 <210> SEQ ID NO: 2
 65 <211> LENGTH: 123
 66 <212> TYPE: PRT
 67 <213> ORGANISM: Mus musculus
 69 <220> FEATURE:
 70 <221> NAME/KEY: VARIANT
 71 <222> LOCATION: (1)..(123)
 72 <223> OTHER INFORMATION: HPCM3-hybridoma

RAW SEQUENCE LISTING

DATE: 09/06/2002

PATENT APPLICATION: US/09/726,649

TIME: 11:06:36

Input Set : A:\PTO.DC.txt

Output Set: N:\CRF4\09062002\I726649.raw

75 <400> SEQUENCE: 2

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77 Glu Val Lys Leu Val Glu Ser Gly Gly Gly Leu Val Gln Pro Gly Gly
78 1          5          10          15
81 Ser Leu Arg Leu Ser Cys Ala Thr Ser Gly Phe Thr Phe Ser Asp Phe
82          20          25          30
85 Tyr Met Glu Trp Val Arg Gln Pro Pro Gly Lys Arg Leu Glu Trp Ile
86          35          40          45
89 Ala Ala Ser Arg Asn Lys Ala Asn Asp Tyr Thr Thr Glu Tyr Ser Ala
90          50          55          60
93 Ser Val Lys Gly Arg Phe Ile Val Ser Arg Asp Thr Ser Gln Ser Ile
94 65          70          75          80
97 Leu Tyr Leu Gln Met Asn Ala Leu Arg Ala Glu Asp Thr Ala Ile Tyr
98          85          90          95
101 Tyr Cys Ala Arg Asp Tyr Tyr Gly Ser Ser Tyr Trp Tyr Phe Asp Val
102          100          105          110
105 Trp Gly Ala Gly Thr Thr Val Thr Val Ser Ser
106          115          120

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109 <210> SEQ ID NO: 3

110 <211> LENGTH: 123

111 <212> TYPE: PRT

112 <213> ORGANISM: Mus musculus

114 <220> FEATURE:

115 <221> NAME/KEY: VARIANT

116 <222> LOCATION: (1)..(123)

117 <223> OTHER INFORMATION: HPCML-hybridoma

120 <400> SEQUENCE: 3

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123 1          5          10          15
126 Ser Leu Arg Leu Ser Cys Ala Thr Ser Gly Phe Thr Phe Ser Asp Phe
127          20          25          30
130 Tyr Met Glu Trp Val Arg Gln Pro Pro Gly Lys Arg Leu Glu Trp Ile
131          35          40          45
134 Ala Ala Ser Arg Asn Lys Ala Asn Asp Tyr Thr Thr Glu Tyr Ser Ala
135          50          55          60
138 Ser Val Lys Gly Arg Phe Ile Val Ser Arg Asp Thr Ser Gln Ser Ile
139 65          70          75          80
142 Leu Tyr Leu Gln Met Asn Ala Leu Arg Ala Glu Asp Thr Ala Ile Tyr
143          85          90          95
146 Tyr Cys Ala Arg Asp Tyr Tyr Gly Ser Ser Tyr Trp Tyr Phe Asp Val
147          100          105          110
150 Trp Gly Ala Gly Thr Thr Val Thr Val Ser Ser
151          115          120

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154 <210> SEQ ID NO: 4

155 <211> LENGTH: 123

156 <212> TYPE: PRT

157 <213> ORGANISM: Mus musculus

159 <220> FEATURE:

160 <221> NAME/KEY: VARIANT

161 <222> LOCATION: (1)..(123)

RAW SEQUENCE LISTING

DATE: 09/06/2002

PATENT APPLICATION: US/09/726,649

TIME: 11:06:36

Input Set : A:\PTO.DC.txt

Output Set: N:\CRF4\09062002\I726649.raw

162 <223> OTHER INFORMATION: HPCM6-hybridoma

165 <400> SEQUENCE: 4

167 Glu Val Lys Leu Val Glu Ser Gly Gly Gly Leu Val Gln Pro Gly Gly

168 1 5 10 15

171 Ser Leu Arg Leu Ser Cys Ala Thr Ser Gly Phe Thr Phe Ser Asp Phe

172 20 25 30

175 Tyr Met Glu Trp Val Arg Gln Pro Gly Lys Arg Leu Glu Trp Ile

176 35 40 45

179 Ala Ala Ser Arg Asn Lys Ala Asn Asp Tyr Thr Thr Glu Tyr Ser Ala

180 50 55 60

183 Ser Val Lys Gly Arg Phe Ile Val Ser Arg Asp Thr Ser Gln Ser Ile

184 65 70 75 80

187 Leu Tyr Leu Gln Met Asn Ala Leu Arg Ala Glu Asp Thr Ala Ile Tyr

188 85 90 95

191 Tyr Cys Ala Arg Asp Tyr Tyr Asp Tyr Pro His Trp Tyr Phe Asp Val

192 100 105 110

195 Trp Gly Ala Gly Thr Thr Val Thr Val Ser Ser

196 115 120

199 <210> SEQ ID NO: 5

200 <211> LENGTH: 107

201 <212> TYPE: PRT

202 <213> ORGANISM: Mus musculus

204 <400> SEQUENCE: 5

206 Glu Val Lys Leu Val Glu Ser Gly Gly Gly Leu Val Gln Pro Gly Gly

207 1 5 10 15

210 Ser Leu Arg Leu Ser Cys Ala Thr Ser Gly Phe Thr Phe Ser Asp Phe

211 20 25 30

214 Tyr Met Glu Trp Val Arg Gln Pro Pro Gly Lys Arg Leu Glu Trp Ile

215 35 40 45

218 Ala Ala Ser Arg Asn Lys Ala Asn Asp Tyr Thr Thr Glu Tyr Ser Ala

219 50 55 60

222 Ser Val Lys Gly Arg Phe Ile Val Ser Arg Asp Thr Ser Gln Ser Ile

223 65 70 75 80

226 Leu Tyr Leu Gln Met Asn Ala Leu Arg Ala Glu Asp Thr Ala Ile Phe

227 85 90 95

230 Tyr Cys Ala Arg Asp Phe Tyr Arg Tyr Asp Gly

231 100 105

234 <210> SEQ ID NO: 6

235 <211> LENGTH: 123

236 <212> TYPE: PRT

237 <213> ORGANISM: Mus musculus

239 <220> FEATURE:

240 <221> NAME/KEY: VARIANT

241 <222> LOCATION: (1)..(123)

242 <223> OTHER INFORMATION: HPCG8-hybridoma

245 <400> SEQUENCE: 6

247 Glu Val Lys Leu Val Glu Ser Gly Gly Gly Leu Val Gln Pro Gly Gly

248 1 5 10 15

251 Ser Leu Arg Leu Ser Cys Ala Thr Ser Gly Phe Thr Phe Ser Asp Phe

RAW SEQUENCE LISTING

DATE: 09/06/2002

PATENT APPLICATION: US/09/726,649

TIME: 11:06:36

Input Set : A:\PTO.DC.txt

Output Set: N:\CRF4\09062002\I726649.raw

```

252          20          25          30
255 Tyr Met Glu Trp Val Arg Gln Pro Pro Gly Lys Arg Leu Glu Trp Ile
256          35          40          45
259 Ala Ala Ser Arg Asn Lys Ala Phe Asp Tyr Thr Thr Glu Tyr Ser Ala
260          50          55          60
263 Ser Val Lys Gly Arg Phe Ile Val Ser Arg Asp Thr Ser Gln Ser Ile
264 65          70          75          80
267 Leu Tyr Leu Gln Met Asn Ala Leu Arg Ala Glu Asp Thr Ala Ile Tyr
268          85          90          95
271 Tyr Cys Ala Arg Asp Tyr Tyr Gly Ser Arg Tyr Trp Tyr Phe Asp Val
272          100         105         110
275 Trp Gly Ala Gly Thr Thr Val Thr Val Ser Ser
276          115         120
279 <210> SEQ ID NO: 7
280 <211> LENGTH: 123
281 <212> TYPE: PRT
282 <213> ORGANISM: Mus musculus
284 <220> FEATURE:
285 <221> NAME/KEY: VARIANT
286 <222> LOCATION: (1)..(123)
287 <223> OTHER INFORMATION: HPCG13-hybridoma
290 <400> SEQUENCE: 7
292 Glu Val Lys Leu Val Glu Ser Gly Gly Gly Leu Val Gln Pro Gly Gly
293 1          5          10          15
296 Ser Leu Arg Leu Ser Cys Ala Leu Ser Gly Phe Leu Phe Ser Asp Phe
297          20          25          30
300 Tyr Met Glu Trp Val Arg Gln Thr Pro Gly Lys Arg Leu Glu Trp Ile
301          35          40          45
304 Ala Ala Ser Arg Asn Lys Val Tyr Asp Tyr Thr Thr Glu Tyr Ser Ala
305          50          55          60
308 Ser Val Lys Gly Arg Phe Ile Val Ser Arg Asp Thr Ser Gln Ser Ile
309 65          70          75          80
312 Leu Tyr Leu Gln Met Asn Ala Leu Arg Ala Glu Asp Thr Ala Ile Tyr
313          85          90          95
316 Tyr Cys Ala Arg Asp Ala Tyr Tyr Gly Ser Tyr Trp Tyr Phe Asp Val
317          100         105         110
320 Trp Gly Ala Gly Thr Thr Val Thr Val Ser Ser
321          115         120
324 <210> SEQ ID NO: 8
325 <211> LENGTH: 123
326 <212> TYPE: PRT
327 <213> ORGANISM: Mus musculus
329 <220> FEATURE:
330 <221> NAME/KEY: VARIANT
331 <222> LOCATION: (1)..(123)
332 <223> OTHER INFORMATION: HPCG14-hybridoma
335 <400> SEQUENCE: 8
337 Glu Val Lys Leu Val Glu Ser Gly Gly Gly Leu Val Gln Pro Gly Gly
338 1          5          10          15

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RAW SEQUENCE LISTING

DATE: 09/06/2002

PATENT APPLICATION: US/09/726,649

TIME: 11:06:36

Input Set : A:\PTO.DC.txt

Output Set: N:\CRF4\09062002\I726649.raw

```

341 Ser Leu Arg Leu Ser Cys Ala Thr Ser Gly Phe Thr Phe Ser Ala Phe
342          20          25          30
345 Tyr Met Glu Trp Val Arg Gln Pro Pro Gly Lys Arg Leu Glu Trp Ile
346          35          40          45
349 Ala Ala Ser Arg Asn Lys Ala Asn Asp Tyr Thr Thr Glu Tyr Ser Ala
350          50          55          60
353 Ser Val Lys Gly Arg Phe Phe Val Ser Arg Asp Thr Ser Gln Ser Ile
354 65          70          75          80
357 Leu Tyr Leu Gln Met Asn Ala Leu Arg Ala Glu Asp Thr Ala Ile Tyr
358          85          90          95
361 Tyr Cys Ala Arg Asp Val Tyr Tyr Gly Tyr Asp Trp Tyr Phe Asp Val
362          100         105         110
365 Trp Gly Ala Gly Thr Thr Val Thr Val Ser Ser
366          115         120

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369 <210> SEQ ID NO: 9

370 <211> LENGTH: 101

371 <212> TYPE: PRT

372 <213> ORGANISM: Mus musculus

374 <220> FEATURE:

375 <221> NAME/KEY: VARIANT

376 <222> LOCATION: (1)..(101)

377 <223> OTHER INFORMATION: HPCG11-hybridoma

380 <400> SEQUENCE: 9

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382 Glu Val Lys Leu Val Glu Ser Gly Gly Gly Leu Val Gln Pro Gly Gly
383 1          5          10          15
386 Ser Leu Arg Leu Ser Cys Ala Thr Ser Gly Ile Thr Phe Ser Asp Phe
387          20          25          30
390 Tyr Met Glu Trp Val Arg Gln Pro Pro Gly Lys Arg Leu Glu Trp Ile
391          35          40          45
394 Ala Ala Ser Arg Asn Lys Ala Ser Asp Tyr Thr Thr Glu Tyr Ser Ala
395          50          55          60
398 Ser Val Lys Gly Arg Phe Ile Val Ser Arg Asp Thr Ser Gln Ser Ile
399 65          70          75          80
402 Leu Tyr Leu Gln Met Asn Ala Leu Arg Ala Glu Asp Thr Ala Ile Tyr
403          85          90          95
406 Tyr Cys Ala Arg Asp
407          100

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410 <210> SEQ ID NO: 10

411 <211> LENGTH: 88

412 <212> TYPE: PRT

413 <213> ORGANISM: Mus musculus

415 <220> FEATURE:

416 <221> NAME/KEY: VARIANT

417 <222> LOCATION: (1)..(88)

418 <223> OTHER INFORMATION: HPCG12-hybridoma

421 <400> SEQUENCE: 10

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423 Glu Val Lys Leu Val Glu Ser Gly Gly Gly Leu Val Gln Pro Gly Gly
424 1          5          10          15
427 Ser Leu Arg Leu Ser Cys Ala Thr Ser Gly Ile Thr Phe Ser Asp Phe

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RAW SEQUENCE LISTING ERROR SUMMARY
PATENT APPLICATION: US/09/726,649

DATE: 09/06/2002
TIME: 11:06:37

Input Set : A:\PTO.DC.txt
Output Set: N:\CRF4\09062002\I726649.raw

Please Note:

Use of n and/or Xaa have been detected in the Sequence Listing. Please review the Sequence Listing to ensure that a corresponding explanation is presented in the <220> to <223> fields of each sequence which presents at least one n or Xaa.

Seq#:21; N Pos. 16,103
Seq#:22; N Pos. 16,77
Seq#:24; N Pos. 78
Seq#:25; N Pos. 38,42,54,78
Seq#:26; N Pos. 42
Seq#:27; N Pos. 75,78
Seq#:28; N Pos. 75,78
Seq#:29; N Pos. 75,78
Seq#:30; N Pos. 75,78
Seq#:31; N Pos. 75,78
Seq#:32; N Pos. 24,75,78
Seq#:33; N Pos. 24,25,75,78
Seq#:34; N Pos. 42
Seq#:36; N Pos. 16,78
Seq#:50; N Pos. 5,6,8,11
Seq#:51; N Pos. 5,6,8,11
Seq#:75; N Pos. 5,6,8,11
Seq#:76; N Pos. 5,6,8,11
Seq#:81; N Pos. 3,8,9

VERIFICATION SUMMARY

DATE: 09/06/2002

PATENT APPLICATION: US/09/726,649

TIME: 11:06:37

Input Set : A:\PTO.DC.txt

Output Set: N:\CRF4\09062002\I726649.raw

L:13 M:271 C: Current Filing Date differs, Replaced Current Filing Date

L:881 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:21 after pos.:0

L:883 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:21 after pos.:60

L:904 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:22 after pos.:0

L:906 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:22 after pos.:60

L:934 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:24 after pos.:60

L:949 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:25 after pos.:0

L:951 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:25 after pos.:60

L:966 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:26 after pos.:0

L:985 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:27 after pos.:60

L:1002 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:28 after pos.:60

L:1019 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:29 after pos.:60

L:1036 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:30 after pos.:60

L:1053 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:31 after pos.:60

L:1068 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:32 after pos.:0

L:1070 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:32 after pos.:60

L:1085 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:33 after pos.:0

L:1087 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:33 after pos.:60

L:1102 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:34 after pos.:0

L:1130 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:36 after pos.:0

L:1132 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:36 after pos.:60

L:1321 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:50 after pos.:0

L:1339 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:51 after pos.:0

L:1633 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:75 after pos.:0

L:1651 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:76 after pos.:0

L:1717 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:81 after pos.:0



Does Not Comply
Corrected Diskette Needed

OIPE

RAW SEQUENCE LISTING

PATENT APPLICATION: US/09/726,649

DATE: 09/04/2002

TIME: 15:59:23

Input Set : A:\pto.vsk.txt

Output Set: N:\CRF4\09042002\I726649.raw

3 <110> APPLICANT: Lerner, Richard A
 4 Sorge, Joseph A
 5 Winter, Gregory P
 6 Riechman, Lutz
 8 <120> TITLE OF INVENTION: A new method for tapping the immunological repertoire
 10 <130> FILE REFERENCE: 213839-00023
 12 <140> CURRENT APPLICATION NUMBER: 09/726,649
 C--> 13 <141> CURRENT FILING DATE: 2002-08-23
 15 <160> NUMBER OF SEQ ID NOS: 121
 17 <170> SOFTWARE: PatentIn version 3.1

ERRORED SEQUENCES

2210 <210> SEQ ID NO: 121
 2211 <211> LENGTH: 32
 2212 <212> TYPE: DNA
 2213 <213> ORGANISM: Unknown
 2215 <220> FEATURE:
 2216 <223> OTHER INFORMATION: Synthetic
 2218 <400> SEQUENCE: 121
 2219 ccagatgtga gctcgtgata acccaggatg aa
 E--> 2226 doc #:chi01 (213839-00023) 50054945v2;07/29/2002/time:9:17
 E--> 2232 -1-

32

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BEST AVAILABLE COPY

VERIFICATION SUMMARY

DATE: 09/04/2002

PATENT APPLICATION: US/09/726,649

TIME: 15:59:25

Input Set : A:\pto.vsk.txt

Output Set: N:\CRF4\09042002\I726649.raw

L:13 M:271 C: Current Filing Date differs, Replaced Current Filing Date
L:881 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:21 after pos.:0
L:883 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:21 after pos.:60
L:904 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:22 after pos.:0
L:906 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:22 after pos.:60
L:934 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:24 after pos.:0
L:949 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:25 after pos.:0
L:951 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:25 after pos.:60
L:966 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:26 after pos.:0
L:985 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:27 after pos.:60
L:1002 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:28 after pos.:60
L:1019 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:29 after pos.:60
L:1036 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:30 after pos.:60
L:1053 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:31 after pos.:60
L:1068 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:32 after pos.:0
L:1070 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:32 after pos.:60
L:1085 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:33 after pos.:0
L:1087 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:33 after pos.:60
L:1102 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:34 after pos.:0
L:1130 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:36 after pos.:0
L:1132 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:36 after pos.:60
L:1321 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:50 after pos.:0
L:1339 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:51 after pos.:0
L:1633 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:75 after pos.:0
L:1651 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:76 after pos.:0
L:1717 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:81 after pos.:0
L:2226 M:254 E: No. of Bases conflict, LENGTH:Input:17 Counted:54 SEQ:121
L:2226 M:320 E: (1) Wrong Nucleic Acid Designator, NUMBER OF INVALID KEYS:46
L:2226 M:112 C: (48) String data converted to lower case,
M:254 Repeated in SeqNo=121
L:2232 M:252 E: No. of Seq. differs, <211> LENGTH:Input:32 Found:54 SEQ:121

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